

03050104-100*(Colonels Creek)***General Description**

Watershed 03050104-100 is located in Richland County and consists primarily of *Colonels Creek* and its tributaries. The watershed occupies 44,641 acres of the Sandhills and Upper Coastal Plain regions of South Carolina. The predominant soil types consist of an association of the Vacluse-Ailey-Alpin series. The erodibility of the soil (K) averages 0.12 and the slope of the terrain averages 7%, with a range of 2-15%. Land use/land cover in the watershed includes: 90.4% forested land, 3.9% forested wetland (swamp), 3.5% agricultural land, 1.0% water, 0.7% urban land, 0.4% scrub/shrub land, and 0.1% barren land.

Colonels Creek originates near the Town of Pontiac and flows through the Fort Jackson U.S. Army Base property and into the Wateree River. Colonels Creek flows through DuPre Pond and Messers Pond, and accepts drainage from Buffalo Creek and Bee Branch on U.S. property. Colonels Creek then accepts drainage from Jumping Run Creek and Leesburg Branch before flowing through Murray Pond (200 acres) and Goodwill Pond (120 acres). There are a total of 65.9 stream miles and 340.2 acres of lake waters in this watershed, all classified FW.

Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
CW-250	INT	FW	COLONELS CREEK AT SC 262
CW-240	W	FW	COLONELS CREEK AT US 601

Colonels Creek – There are two SCDHEC monitoring sites along Colonels Creek. Aquatic life and recreational uses are fully supported at both sites (*CW-250*, *CW-240*). This is a blackwater system, characterized by naturally low pH conditions. Although pH excursions occurred, they were typical of values seen in blackwater systems and were considered natural, not standards violations.

Groundwater Quality

<u>Well #</u>	<u>Class</u>	<u>Aquifer</u>	<u>Location</u>
AMB-048	GB	MIDDENDORF	NORTH OF EASTOVER

NPDES Program*Active NPDES Facilities*

<i>RECEIVING STREAM FACILITY NAME PERMITTED FLOW @ PIPE (MGD)</i>	<i>NPDES# TYPE COMMENT</i>
COLONELS CREEK - DITCH SC NATL GUARD/MCCRADY TRAINING FAC. PIPE #: 001 FLOW: M/R	SC0046108 MINOR INDUSTRIAL

LEESBURG BRANCH
USMC/COMBAT VEHICLE MAINT. FAC.
IPE #: 001 FLOW: M/R

SC0038792
MINOR INDUSTRIAL

Nonpoint Source Management Program

Land Disposal Activities

Landfill Facilities

LANDFILL NAME
FACILITY TYPE

PERMIT #
STATUS

CAROLINA GRADING INC.
INDUSTRIAL

402446-1601 (IWP-223)
ACTIVE

Mining Activities

MINING COMPANY
MINE NAME

PERMIT #
MINERAL

TURTLE CREEK FARM
MILES MINING OF LUGOFF

1239-55
KAOLIN

C. RAY CONSTRUCTION CO., INC.
PERCIVAL ROAD MINE

1370-79
SAND

Growth Potential

There is a moderate potential for growth in this watershed, which contains the eastern portion of Fort Jackson in the City of Columbia. Percival Road and I-20 run along the top of the watershed, and water and sewer is only available there and near the Leesburg Road/Fort Jackson area. There are some rural residential areas in the Leesburg Road area.